

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system ~~(1)~~ for metering and delivering a liquid medium, in particular for enteral nutrition in medical applications, including a storage container ~~(3)~~ having a certain volumetric capacity and a supply device ~~(4)~~ and a discharge device ~~(5)~~ for the medium, whereby the supply and discharge of the medium into and out of the storage container ~~(3)~~ is effected by the force of gravity, ~~characterized by:~~ said system further including a detecting device ~~(6, 7)~~ for determining at least a lower and at least an upper filling level ~~(8, 9)~~ of the medium in the storage container ~~(3)~~ and for outputting appropriate detection signals, and controllable actuating means ~~(10, 11)~~ for closing or opening the supply device ~~(4)~~ or the discharge device ~~(5)~~, respectively, said detection signals output from the detecting device ~~(6, 7)~~ are supplied to a control unit ~~ST~~ for supplying setting signals to the controllable actuating organs ~~(10, 11)~~ according responsive to a given program sequence in dependence on the detection signals.

2. (Currently Amended) The system according to claim 1, ~~characterized in that~~ the wherein said detecting device comprises at least one pair of diode measuring units ~~(6, 7)~~ spaced from each other in the direction of the gravitational force in correspondence with the upper and lower filling level.

3. (Currently Amended) The system according to claim 2, ~~characterized in that~~ the wherein said diode measuring device ~~(6)~~ associated with the upper filling level is arranged in such a manner as to prevent scanning of the inflowing medium stream.

4. (Currently Amended) The system according to ~~any of the claims 1 to 3~~claim 1,
~~characterized in that~~wherein each said controllable actuating organ (10, 11) is movable into the
closed or open position by a solenoid or a stepping motor.

5. (Currently Amended) The system according to ~~any of the claims 1 to 4~~claim 1,
~~characterized in that~~further including position detecting means ~~are provided in order to detect for~~
detecting the position of the controllable actuating organs (10, 11).

6. (Currently Amended) The system according to ~~any of the claims 1 to 5~~claim 1,
~~characterized in that the~~wherein said storage container (3) is provided with a ventilating device
(17).

7. (Currently Amended) The system according to ~~any of the preceding claims~~claim 1,
~~characterized in that the~~wherein said control unit ST is integrated into the system.

8. (Currently Amended) The system according to ~~any of the claims 1 to 6~~claim 1,
~~characterized in that the~~wherein said detection signals output from the detecting device (6, 7) and
the setting signals for the controllable actuating organs (10, 11) are applicable to an interface for
connection to an external control unit.